

CLAIMS

1. An apparatus for desoldering comprising at least one hollow metal wire molded to conform to the tip of a desoldering tool.
2. The apparatus of claim 1, wherein the desoldering tool comprises a desoldering gun.
3. The apparatus of claim 1, wherein the desoldering tool comprises a desoldering iron.
4. The apparatus of claim 1, wherein the hollow metal wire is molded to conform to a cone-shaped tip of a desoldering tool.
5. The apparatus of claim 1, wherein the hollow metal wire is molded to conform to an edge-shaped tip of a desoldering tool.
6. The apparatus of claim 1, wherein the hollow metal wire is molded to conform to an elongated cone-shaped tip of a desoldering tool.
7. The apparatus of claim 1, wherein the hollow metal wire is molded to conform to a square-shaped tip of a desoldering tool.
8. The apparatus of claim 1, wherein the hollow metal wire is molded to conform to an angled-edge shaped tip of a desoldering tool.
9. The apparatus of claim 1, wherein the hollow metal wire is molded to conform to a rounded cone-shaped tip of a desoldering tool.
10. The apparatus of claim 1, wherein the hollow metal wire is formed from a metal fabric.
11. The apparatus of claim 10, wherein the metal fabric is formed from one or more metal ropes.
12. The apparatus of claim 11, wherein the metal rope is formed by combining a plurality of metal threads.

13. The apparatus of claim 12, wherein the metal threads have a gauge in the range of 0.01 to 0.10 mm.
14. The apparatus of claim 12, wherein the plurality of metal threads comprises five metal threads.
15. A method for constructing a desoldering sheath comprising:
providing a hollow metal wire;
coiling the hollow metal wire around a male cone-shaped mold; and
compressing the hollow metal wire between the male cone-shaped mold and a female cone-shaped mold.
16. The method of claim 15, further comprising applying an adhesive to an exterior surface of the hollow metal wire to join together two or more adjacent coiled loops of the hollow metal wire.
17. The method of claim 15, further comprising applying rosin to an exterior surface of the hollow metal wire to join together two or more adjacent coiled loops of the hollow metal wire.
18. A method for constructing a desoldering sheath comprising:
providing a plurality of hollow metal wires;
orienting the hollow metal wires so that they are parallel to each other;
joining the hollow metal wires together;
compressing the joined hollow metal wires in a "V" shaped mold, thereby imparting a "V" shape to the joined hollow metal wires; and
cutting the crease of the "V" shaped hollow metal wires, thereby creating openings into the hollow metal wires.
19. The method of claim 18, wherein the hollow metal wires are joined together by an adhesive.
20. The method of claim 18, wherein the hollow metal wires are joined together by welding.

21. The method of claim 18, further comprising:
affixing one or more fasteners to the exterior of the hollow metal wires to aid in securing the desoldering sheath to a tip of a desoldering tool.

22. A desoldering sheath comprising:
a grommet;
a hollow metal wire having an end that is mounted onto the grommet;
and
a grommet fastener adapted to secure the hollow metal wire onto the grommet.

23. The desoldering sheath of claim 22, wherein a plurality of hollow metal wires are mounted onto the grommet.

24. The desoldering sheath of claim 22, wherein the hollow metal wire includes a second end that is tapered.

25. The desoldering sheath of claim 23, wherein the plurality of hollow metal wires are oriented in a coaxial manner.

26. The desoldering sheath of claim 22, wherein a diameter of the hollow metal wire is slightly less than a diameter of the grommet.